

Claims

1. Panel adjustment device for a drawer (2) equipped with a front panel (3), and is located in a cabinet (1) by means of a rail system (4) with at least one each of a drawer rail (10), a cabinet rail (18) and, optionally, a drawer-décor profile (6) that is guided on both sides lengthwise. The panel adjustment device is suitable for changing the enclosed inclination angle (9) between the vertical level of the front fore side (1a) of the cabinet (1) and the vertical level of the front panel (3) of the drawer (2), and the panel adjustment device works directly or indirectly between the drawer (2) and the drawer rail (10) by a lifting and lowering device (15, 12; 23) with a lifting and lowering element (11) so that a swiveling of the drawer (2) and with it the panel (3) is possible around a swiveling axis (24) **is characterized by** the swiveling axis (24) that runs between the front panel (3) and the lifting and lowering element (11) and the distance between the swiveling axis (24) and the front panel (3) is somewhat larger or smaller than the distance between the swiveling axis (24) and the lifting and lowering element (11).
2. Panel adjustment device, according to claim 1, is characterized by the swiveling axis (24) that is as close as possible to the front panel and/or the lifting and lowering element (11) of the lifting and lowering device (15, 12; 23) is located as far away as possible from the swiveling axis (24).

3. Panel adjustment device, according to claim 1 or 2, is characterized by the swiveling axis (24) that lies on the drawer rail (10) and the lifting and lowering element (11) of the lifting and lowering device (15, 12; 23) is in the rear area of the drawer décor (6), in particular, on its lower component (6c).
4. Panel adjustment device, according to one of the preceding claims is characterized by the lifting and lowering device (15, 12; 23) that has a slider (15), which as a lifting and lowering element (11), an operating element (14) for the lifting and lowering element (11) and a connection element (28), so that the lifting and lowering element (11) is located in the rear area of the drawer (2), which is connected with an operating element (14) in the front area of the drawer (2) by the connection element (28).
5. Panel adjustment device, according to claim 4, is characterized by the operating element (14) for the lifting and lowering element (11) on the drawer (2) itself or its décor component (6) and the lifting and lowering element (11) on the drawer rail (10) so that the slider (15) penetrates the drawer (2) or its décor component (6) on its way into the rear area of the drawer (2).

6. Panel adjustment device, according to claim 4 or 5, is characterized by the bearing surfaces of the drawer (2) or its décor component (6) and the drawer rail (10) for the slider (15) lies somewhat horizontal and points upward.
7. Panel adjustment device, according to one of the Claims 4 to 6, is characterized by the slider (15) that is formed as a flat band or wire material and is made of metal or plastic.
8. Panel adjustment device, according to one of the claims 4 to 7, is characterized by the slider (15) with its lifting and lowering element (11), its connection (28) and its operating element (14) is formed as one-piece.
9. Panel adjustment device, according to one of the claims 4 to 8, is characterized by the slider's (15) operating element (14) that has teeth (19), which engage in a tool (16) when the inclination angle (9) is adjusted.
10. Panel adjustment device, according to claim 9, is characterized by the teeth (19) that are provided in the side surface of the operating element (14).

11. Panel adjustment device, according to one of the claims 4 to 10, is characterized by the fact that the entire slider (15) or only parts of the slider are led in the guide tab(s) (20) on the drawer rail (10) and/or the drawer (2) and/or its décor profile (6). The guide tab(s) (20) form a horizontal and, if necessary, also a vertical slide, which makes a movement along the longitudinal axis of the rails (4) possible, but does not allow a crosswise/transverse movement.
12. Panel adjustment device, according to one or more preceding claims, is characterized by the retention of the adjusted relative position between the drawer (2) and/or its décor (6) and the drawer rail (10) of the panel adjustment device is equipped with the catch mechanism.
13. Panel adjustment device, according to claim 12, is characterized by the fact that this catch mechanism is made in the form of self-restraining corrugations (21) that is provided cross-wise and/or diagonally for the shifting/sliding of the drawer (2).
14. Panel adjustment device, according to claim 13, is characterized by the corrugations (21) that are located in the area of the operating element (14) of the lifting and lowering element (11).

15. Panel adjustment device, according to one of the claims 4 to 14, is characterized by the corresponding stop restrictions that are provided on the drawer (2) and/or the décor (6) and/or on the drawer rail (10), so that the slider (15) cannot be pulled out of its operating position when moving in the longitudinal direction of the rails (4).
16. Panel adjustment device for a drawer (2) equipped with a front panel (3), which is guided lengthwise on both sides into a cabinet (1) by means of a rail system (4) with at least one drawer rail (10) each, a cabinet rail (18) and an optional drawer-décor profile (6), so that the panel adjustment device is suitable for changing the enclosed inclination angle (9) between the vertical level of the front fore side (1a) of the cabinet (1) and the vertical level of the front panel (3) of the drawer (2). The panel adjustment device operates directly or indirectly between the drawer (2) and the drawer rail (10) by means of a lifting and lowering device (15, 12; 23) with the slider (15) with the lifting and lowering element (11) so that a swiveling of the drawer (2) and with it, the panel (3), is made possible around a swiveling axis (24) is characterized by the slider (15) that is formed out of a flat material, which extends from the front to the back slide rail area and is held movable in the front area up to the center area on the horizontal shank of the side all-lower component (6c), and is supported in the rear area on the drawer rail (10) so that the end of the slider (15) is formed to the wedge-shape sliding piece (11).

17. Panel adjustment device, according to claim 16, is characterized by the slider (15) is bent in its longitudinal extension a piece before the wedge-shape sliding piece (11) and projects through a recess (30) in the horizontal shank of the side wall lower component to the bearing on the drawer rail (10).